

(19)

Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 740 430 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
15.01.1997 Bulletin 1997/03

(51) Int Cl.⁶: H04B 7/08

(43) Date of publication A2:
30.10.1996 Bulletin 1996/44

(21) Application number: 96302974.9

(22) Date of filing: 26.04.1996

(84) Designated Contracting States:
DE FR GB

(72) Inventor: Ohashi, Masakazu
Tenri-shi, Nara-ken (JP)

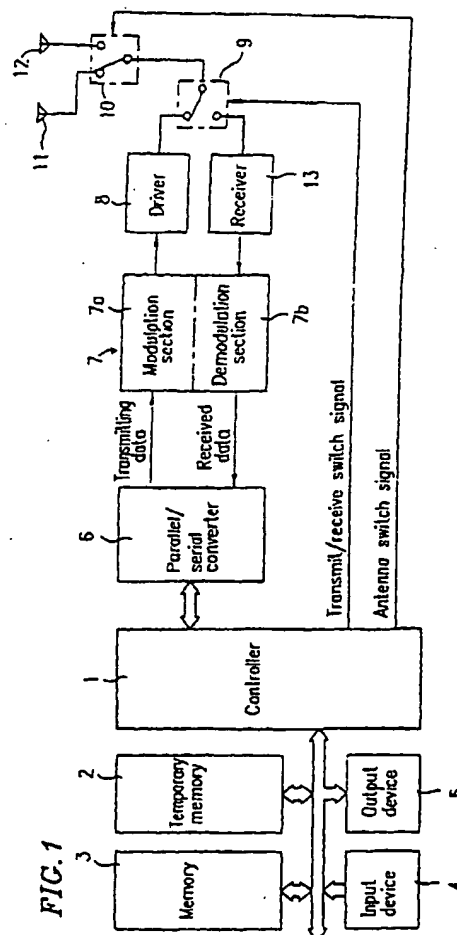
(30) Priority: 27.04.1995 JP 104433/95

(74) Representative: Brown, Kenneth Richard et al
R.G.C. Jenkins & Co.
26 Caxton Street
London SW1H 0RJ (GB)

(71) Applicant: SHARP KABUSHIKI KAISHA
Osaka 545 (JP)

(54) Diversity radio communication system

(57) The pair of radio communication apparatuses of this invention on a transmitter side and a receiver side conduct data transmission and receiving through radio communication by a space diversity method where a plurality of antennas are switched therebetween, wherein the radio communication apparatus on the transmitter side includes a transmission circuit for conducting data transmission and a transmitting antenna switch circuit for selecting a transmitting antenna among a plurality of transmitting antennas for transmitting radio waves and connecting the selected transmitting antenna to the transmission circuit, and the radio communication apparatus on the receiver side includes a receiving circuit for conducting data receiving and a receiving antenna switch circuit for selecting a receiving antenna among a plurality of receiving antennas on the receiver side the radio waves and connecting the selected receiving antenna to the receiving circuit.



EP 0 740 430 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 30 2974

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP-A-0 622 911 (IBM) 2 November 1994	1,2,15, 16	H04B7/08
A	* column 1, line 2 - line 9 *	3,5	
Y	* column 2, line 26 - column 3, line 11 *	4	
	* column 10, line 11 - line 40; claims 2,5 *		
Y	--- ELECTRONICS AND COMMUNICATIONS IN JAPAN, PART 1 (COMMUNICATIONS), MARCH 1990, USA, vol. 73, no. 3, ISSN 8756-6621, pages 1-13, XP000149065 TAKEUCHI T ET AL: "Experimental studies on fading reduction by four-direction antenna pattern diversity reception with variable multithreshold switching strategy"	4	
A	* page 6, right-hand column, line 13 - page 7, left-hand column, line 20 *	1,15	
A	--- PATENT ABSTRACTS OF JAPAN vol. 004, no. 121 (E-023), 27 August 1980 & JP-A-55 077247 (KOKUSAI ELECTRIC CO LTD), 10 June 1980, * abstract *	1,15	TECHNICAL FIELDS SEARCHED (Int.Cl.6) H04B
A	--- PATENT ABSTRACTS OF JAPAN vol. 014, no. 483 (E-0993), 22 October 1990 & JP-A-02 200018 (NIPPON TELEGR & TELEPH CORP), 8 August 1990, * abstract *	1,15	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 November 1996	Examiner Canali, F
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date U: document cited in the application L: document cited for other reasons Δ: member of the same patent family, corresponding document	

EPO FORM 150 (03/92) (P04/C01)

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

THIS PAGE BLANK (USPTO)